

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-8 (Canceled).

Claim 9 (Original): An integrated management information forming method for integrating and managing a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

reading out and storing the contents management information from the information medium;

acquiring contents management information of each multi-standard contents information from the stored contents management information;

selectively acquiring reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the acquired contents management information; and

forming integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the selectively acquired reproduction unit information of the multi-standard contents information in an arbitrary reproduction order.

Claim 10 (Original): An integrated management information saving method for integrating and managing a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information

managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

reading out and storing the contents management information from the information medium;

acquiring contents management information of each multi-standard contents information from the stored contents management information;

selectively acquiring reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the acquired contents management information;

forming integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the selectively acquired reproduction unit information of the multi-standard contents information in an arbitrary reproduction order; and

saving the formed integrated management information in a predetermined information storage unit.

Claim 11 (Original): An information access method, which uses integrated management information, and integrates and manages a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

reading out and storing the contents management information from the information medium;

acquiring contents management information of each multi-standard contents information from the stored contents management information;

selectively acquiring reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the acquired contents management information;

forming integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the selectively acquired reproduction unit information of the multi-standard contents information in an arbitrary reproduction order; and

accessing each multi-standard contents information in accordance with the reproduction order registered in the integrated management information.

Claim 12 (Original): An integrated management information recording method for recording information on an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

reading out and storing the contents management information from the information medium;

acquiring contents management information of each multi-standard contents information from the stored contents management information;

selectively acquiring reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the acquired contents management information;

forming integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the

selectively acquired reproduction unit information of the multi-standard contents information in an arbitrary reproduction order; and

recording the formed integrated management information on the information medium.

Claim 13 (Original): A method according to claim 12, wherein the integrated management information is recorded as a file managed by the file management information.

Claims 14-15 (Canceled).

Claim 16 (Original): A reproduction apparatus for reproducing recorded data from an information medium on which multi-standard data managed in units of files by file management information are recorded together, comprising:

a read-out section configured to read out the file management information from the information medium;

a storage section configured to extract directory information of data files recorded in the information medium from the file management information read out by said read-out section, and storing the directory information;

a checking section configured to check a file type in specific directory information from the directory information stored in said storage section; and

output section configured to, if it is determined as a result of checking of said checking section that no less than two different multi-standard data files are present, output information indicating that the multi-standard data are recorded together on the information medium.

Claim 17 (Original): An apparatus according to claim 16, wherein if it is determined as a result of checking of said checking section that no less than two different multi-standard data files are present, said output section displays information indicating a mixed combination state of the multi-standard data recorded together on the information medium.

Claim 18 (Original): An information forming apparatus for integrating and managing a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

a read-out/storage section configured to read out and storing the contents management information from the information medium;

an acquisition section configured to acquire contents management information of each multi-standard contents information from the contents management information stored in said read-out/storage section;

a selective acquisition section configured to selectively acquire reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the contents management information acquired by said acquisition section; and

a forming section configured to form integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the reproduction unit information of the multi-standard contents information selectively acquired by said selective acquisition section in an arbitrary reproduction order.

Claim 19 (Original): An information saving apparatus for integrating and managing a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

a read-out/storage section configured to read out and storing the contents management information from the information medium;

an acquisition section configured to acquire contents management information of each multi-standard contents information from the contents management information stored in said read-out/storage section;

a selective acquisition section configured to selectively acquire reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the contents management information acquired by said acquisition section;

a forming section configured to form integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the reproduction unit information of the multi-standard contents information selectively acquired by said selective acquisition section in an arbitrary reproduction order; and

a saving section configured to save the formed integrated management information in a predetermined information storage unit.

Claim 20 (Original): An information access apparatus, which uses integrated management information, and integrates and manages a reproduction sequence of information reproduced from an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management

information, and contents management information thereof are recorded together,
comprising:

a read-out/storage section configured to read out and storing the contents management information from the information medium;

an acquisition section configured to acquire contents management information of each multi-standard contents information from the contents management information stored in said read-out/storage section;

a selective acquisition section configured to selectively acquire reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the contents management information acquired by said acquisition section;

a forming section configured to form integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the reproduction unit information of the multi-standard contents information selectively acquired by said selective acquisition section in an arbitrary reproduction order; and

an access section configured to access each multi-standard contents information in accordance with the reproduction order registered in the integrated management information formed by said forming section.

Claim 21 (Original): An information recording apparatus for recording information on an information medium on which no less than two kinds of multi-standard contents information managed in units of files by file management information, and contents management information thereof are recorded together, comprising:

a read-out section configured to read out and storing the contents management information from the information medium;

an acquisition section configured to acquire contents management information of each multi-standard contents information from the contents management information read out by said read-out section;

a selective acquisition section configured to selectively acquire reproduction unit information indicating an arbitrary reproduction period of each multi-standard contents information from the contents management information acquired by said acquisition section;

a forming section configured to form integrated management information that integrates and manages mixed reproduction of the multi-standard contents information by combining and registering the reproduction unit information of the multi-standard contents information selectively acquired by said selective acquisition section in an arbitrary reproduction order; and

a recording section configured to record the integrated management information formed by said forming section on the information medium.

Claim 22 (Original): An apparatus according to claim 21, wherein the integrated management information is recorded as a file managed by the file management information.

Claims 23-24 (Canceled).